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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known	
			Application Number	09/847,113
			Filing Date	May 1, 2001
			First Named Inventor	CHUNLIN TAO
			Group Art Unit	1637
			Examiner Name	Jeffrey Siew
			Attorney Docket Number	A-69306-1
Sheet	1	of	3	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
JS	A1	4,819,658	04-11-1989	Kolodner	class subject
	A2	5,032,216	07-16-1991	Felten	
	A3	5,200,471	04-06-1993	Coleman et al.	
	A4	5,519,635	05-21-1996	Miyake et al.	
	A5	5,585,646	12-17-1996	Kossovsky et al.	
	A6	5,763,191	06-09-1998	Knoll et al.	
	A7	5,795,953	08-18-1998	Kim et al.	
	A8	5,834,224	11-10-1998	Ruger et al.	
	A9	5,942,397	08-24-1999	Tarlov et al.	
	A10	6,020,047	02-01-2000	Everhart	
	A11	6,090,933	07-18-2000	Kayyem et al.	
	A12	6,096,497	08-01-2000	Bauer	
	A13	6,256,155 B1	07-03-2001	Nagaoka	
	A14	6,291,188 B1	09-18-2001	Meade et al.	

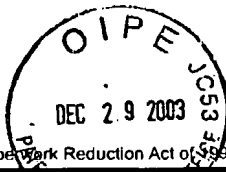
FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
JS	B1	WO 99/57319 A1	11-11-1999	Clinical Micro Sensors	class subject	
	B2	WO 98/57159 A1	12-17-1998	Clinical Micro Sensors		
	B3	WO 95/34816 A1	12-21-1995	Pharmacia Biosensor AB		
	B4	WO 98/20162 A3	05-14-1998	Clinical Micro Sensors		
	B5	WO 96/10178 A1	04-04-1996	Pharmacia Biosensor AB		
	B6	EP 0 664 452	07-26-1995	Boehringer Mannheim GMBH		Abstract Only

Examiner Signature	<i>Jeffrey Siew</i>	Date Considered	1/24/04
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English Language Translation is attached.

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Substitute for form 449/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	09/847,113
		Filing Date	May 1, 2001
		First Named Inventor	CHUNLIN TAO
		Group Art Unit	1637
		Examiner Name	Jeffrey Siew
		Attorney Docket Number	A-69306-1
Sheet	2	of	3

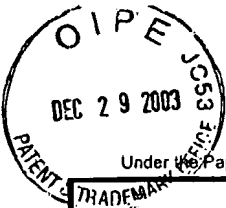
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	†
JS	C1	BAIN et al., "Formation of Monolayers by the Spontaneous of Thiols on Gold: Variation in the Length of the Alkyl Chain," <i>J. Am. Chem. Soc.</i> , 1989, 111:7164-7175.	
	C2	BAMDAD, C. "A DNA Self-Assembled Monolayer for the Specific Attachment of Unmodified Double - or Single Stranded DNA," <i>Biophysical Journal</i> , 1998, 75:1997-2003.	
	C3	CHE, G. et al., "Voltammetry of defect sites at a self-assembled monolayer on a gold surface," <i>J. of Electroanalytical Chemistry</i> , 1998, 453: 9-17.	
	C4	COLVIN, et al., "Semiconductor Nanocrystals Covalently Bound to Metal Surfaces with Self-Assembled Monolayers", <i>J. Am. Chem. Soc.</i> , 1992, 114:5221-5230.	
	C5	<i>Commerce Business Daily Issue</i> , September 26, 1996, PSA#1688.	
	C6	DELAMARCHE, E. et al. "Immobilization of Antibodies on a Photoactive Self-Assembled Monolayer on Gold", <i>Langmuir</i> , 1996, 12:1997-2006.	
	C7	GAFNI, et al., "Biomimetic Ion-Binding Monolayers on Gold and Their Characterization by AC-Impedance Spectroscopy", <i>Chem. Eur. J.</i> , 1996, 2:759-766.	
	C8	GAO et al., "Self-assembled conducting polymer monolayers of poly(3-octylthiophene) on gold electrodes," <i>Synthetic Metals</i> , 1995, 75:5-10.	
	C9	HSUEH et al., "Electrochemically Directed Self-Assembly on Gold," <i>Angew. Chem. Int. Ed.</i> , 2000, 39(7): 1227-1230.	
	C10	KUMAR et al., "Patterning Self-Assembled Monolayers: Applications in Materials Science," <i>Langmuir</i> , 1994, 10:1498-1511.	
	C11	LAIBINIS et al., "Orthogonal Self-Assembled Monolayers: Alkanethiols on Gold and Alkane Carboxylic Acids on Alumina," <i>Reports</i> , August 25, 1989, 845-847.	
	C12	LOFAS et al., "A novel hydrogel matrix on gold surfaces in surface plasmon resonance sensors for fast and efficient covalent immobilization of Ligands," <i>J. Chem. Soc. Chem. Commun.</i> , 1990, 1526-1528.	
	C13	MCGOVERN et al., "Role of Solvent on the Silanization of Glass with Octadecyltrichlorosilane," <i>Langmuir</i> , 1994, 10:3607-3614.	
	C14	PARIKH et al., "An Intrinsic Relationship Between Molecular Structure in Self-Assembled n-Alkylsiloxane Monolayers and Deposition Temperature," <i>J. Phys. Chem.</i> , 1994, 98:7577-7590..	
JS	C15	PRIME et al., "Adsorption of Proteins onto Surfaces Containing End-Attached Oligo(ethylene oxide): A Model System Using Self-Assembled Monolayers," <i>J. Am. Chem. Soc.</i> , 1993, 115:10714-10721.	

Examiner Signature	<i>Jeffrey Siew</i>	Date Considered	1/24/04
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Substitute for form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known Application Number: 09/847,113 Filing Date: May 1, 2001 First Named Inventor: CHUNLIN TAO Group Art Unit: 1637 Examiner Name: Jeffrey Siew Attorney Docket Number: A-69306-1	
Sheet	3	of	3	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		†
J	C16	SCHIERBAUM et al., "Molecular Recognition by Self-Assembled Monolayers of Cavitated Receptors," <i>Science</i> , September 2, 1994, 265: 1413-1415.		
J	C17	SHNEK et al., "Specific Protein Attachment to Artificial Membranes via Coordination to Lipid-Bound Copper (II)," <i>Langmuir</i> , 1994, 10:2382-2388.		
J	C18	SIGAL et al., "A Self-Assembled Monolayer for the Binding and Study of Histidine-Tagged Proteins by Surface Plasmon Resonance," <i>Anal. Chem.</i> , 1996, 68(3):490-497.		
J	C19	SPINKE et al., "Molecular Recognition at Self-Assembled Monolayers: The Construction of Multicomponent Multilayers," <i>Langmuir</i> , 1993, 9:1821-1825.		
J	C20	SPINKE et al., "Molecular recognition at self-assembled monolayers: Optimization of surface functionalization," <i>J. Chem. Phys.</i> , November 1, 1993, 99(9):7012-7019.		
J	C21	WHITESIDES et al., "Wet Chemical Approaches to the Characterization of Organic Surfaces: Self-Assembled Monolayers, Wetting, and the Physical-Organic Chemistry of the Solid-Liquid Interface," <i>Langmuir</i> , 1990, 6:87-96.		

Examiner Signature	<i>Jeffrey Siew</i>	Date Considered	1/24/04
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